

ABSTRACT

In a foil bearing (23) having a plurality of foils (26) disposed in a gap between a rotating member (12) and a stationary mount member (25), a circumferentially
5 extending portion of each foil and a moveable member (27) rotatable with respect to the stationary mount member are provided with magnets (30, 31) so that a magnetic force between these magnets urges the foils toward the rotating member. By rotating the moveable member to vary the relative circumferential position of the moveable member with respect to the foils, it is possible to adjust an amount of magnetic force between the
10 magnets of the moveable member and the magnets of the foils.